Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/20/2018 10:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125586	0	1.88	125635	1.84
Blue	F	SSC	125000	124129	-1	3.56	124952	3.52
Blue	E	FITC	15492	15087	-3	3.61	350	21.54
Blue	D	PE	28736	27937	-3	2.90	613	15.59
Blue	B	PerCP-Cy5-5	41413	40872	-2	4.55	1121	22.00
Blue	A	PE-Cy7	31321	31593	0	7.41	587	45.76
Red	C	APC	41673	40982	-2	2.95	1583	13.47
Red	A	APC-Cy7	29962	29541	-2	3.48	749	14.11
Violet	B	V450	8318	7954	-5	4.41	441	14.60
Violet	A	V500	34199	33494	-3	4.22	807	11.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20523	3.28	603	-10	N/A	N/A	Pass
Blue	F	SSC	56211	3.03	570	2	N/A	N/A	Pass
Blue	E	FITC	58	72.23	553	-8	0.0163	151	Pass
Blue	D	PE	122	56.05	552	-8	0.1575	340	Pass
Blue	B	PerCP-Cy5-5	208	54.40	657	-10	0.0081	82	Pass
Blue	A	PE-Cy7	112	116.63	715	-7	0.0097	29	Pass
Red	C	APC	365	28.96	603	2	0.0190	152	Pass
Red	A	APC-Cy7	186	31.77	579	3	0.0047	1231	Pass
Violet	B	V450	66	71.57	471	-6	0.0473	2746	Pass
Violet	A	V500	115	41.10	489	-5	0.0203	1429	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/20/2018 10:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.79	-32.44	1.14
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.50
Red	16.86	13.60 - 20.40	N/A	N/A	29.61	30.07	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9527

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments